|         |                                |                | Estin  | nated Barg | ge Movem | ent Sched | ule on Pas        | saic River | , 8/16/201            | 3 - 8/29/             | 2013        |             |                      |                      |
|---------|--------------------------------|----------------|--|------------|----------|-----------|-------------------|------------|-----------------------|-----------------------|-------------|-------------|----------------------|----------------------|
|         |                                |                |  |            |          | ( revi    | sed 8/17/20       | 13 )       |                       |                       |             |             |                      |                      |
| Date, D | ay and Direction               | of Barge       | Passaic River  (The bridges listed here will be opened for anywhere from 15 to 30 minutes to allow barges to pass around the times listed below) |            |          |           |                   |            |                       |                       |             |             |                      | Hackensack<br>River  |
| Date(s) | Day(s)                         | Direction      | RM 10.9  | DeJessa    | Rt. 7    | Clay St.  | Morristown        | Bridge St. | Penn RR-              | Penn RR-              | Amtrak Dock | Jackson St. | Point-No-            | RR at Howel          |
|         | Located                        | at River Mile: | 10.9   | 10.37      | 8.53     | 5.83      | <u>RR</u><br>5.57 | 5.41       | <u>Center</u><br>4.75 | <u>Market</u><br>4.75 | 4.75        | 4.37        | <u>Point</u><br>2.33 | Street Bridge<br>3.1 |
| 8/16/13 | Friday AM                      | Downriver      | 2:00 AM  | 2:00 AM    | 2:45 AM  | 3:45 AM   | 3:55 AM           | 4:00 AM    | 4:15 AM               | 4:15 AM               | 4:15 AM     | 4:25 AM     | 5:25 AM              | 6:15 AM              |
| 8/17/13 | Saturday AM                    | Upriver        | 6:05 AM  | 6:05 AM    | 5:35 AM  | 5:05 AM   | 5:00 AM           | 4:55 AM    | 4:45 AM               | 4:45 AM               | 4:45 AM     | 4:40 AM     | 4:10 AM              | 3:20 AM              |
| 8/18/13 | Sunday AM                      | Downriver      | 4:30 AM  | 4:30 AM    | 5:00 AM  | 5:30 AM   | 5:35 AM           | 5:40 AM    | 5:50 AM               | 5:50 AM               | 5:50 AM     | 5:55 AM     | 6:25 AM              | 7:15 AM              |
| 8/19/13 | Monday PM                      | Upriver        | 8:45 PM  | 8:45 PM    | 8:15 PM  | 7:45 PM   | 7:40 PM           | 7:35 PM    | 7:25 PM               | 7:25 PM               | 7:25 PM     | 7:20 PM     | 6:50 PM              | 6:00 PM              |
| 8/20/13 | Tuesday PM                     | Downriver      | 6:30 PM  | 6:30 PM    | 7:00 PM  | 7:30 PM   | 7:35 PM           | 7:40 PM    | 7:50 PM               | 7:50 PM               | 7:50 PM     | 7:55 PM     | 8:25 PM              | 9:15 PM              |
| 8/21/13 | Wednesday<br>PM                | Upriver        | 10:15 PM   | 10:15 PM   | 9:45 PM  | 9:15 PM   | 9:10 PM           | 9:05 PM    | 8:55 PM               | 8:55 PM               | 8:55 PM     | 8:50 PM     | 8:20 PM              | 7:30 PM              |
| 8/22/13 | Thursday PM-<br>Friday AM      | Downriver      | 8:00 PM  | 8:00 PM    | 8:30 PM  | 9:00 PM   | 9:05 PM           | 9:10 PM    | 9:20 PM               | 9:20 PM               | 9:20 PM     | 9:25 PM     | 9:55 PM              | 10:45 PM             |
| 8/23/13 | Friday PM-<br>Saturday AM      | Upriver        | 11:15 PM   | 11:15 PM   | 10:45 PM | 10:15 PM  | 10:10 PM          | 10:05 PM   | 9:55 PM               | 9:55 PM               | 9:55 PM     | 9:50 PM     | 9:20 PM              | 8:30 PM              |
| 8/24/13 | Saturday PM-<br>Sunday AM      | Downriver      | 9:00 PM  | 9:00 PM    | 9:30 PM  | 10:00 PM  | 10:05 PM          | 10:10 PM   | 10:20 PM              | 10:20 PM              | 10:20 PM    | 10:25 PM    | 10:55 PM             | 11:45 PM             |
| 8/25/13 | Sunday                         |                |  |            |          |           |                   |            |                       |                       |             |             |                      |                      |
| 8/26/13 | Monday PM-<br>Tuesday AM       | Upriver        | 1:45 AM  | 1:45 AM    | 1:15 AM  | 12:45 AM  | 12:40 AM          | 12:35 AM   | 12:25 AM              | 12:25 AM              | 12:25 AM    | 12:20 AM    | 11:50 PM             | 11:00 PM             |
| 8/27/13 | Tuesday PM-<br>Wednesday<br>AM | Downriver      | 11:50 PM   | 11:50 PM   | 12:20 AM | 12:50 AM  | 12:55 AM          | 1:00 AM    | 1:10 AM               | 1:10 AM               | 1:10 AM     | 1:15 AM     | 1:45 AM              | 2:35 AM              |
| 8/28/13 | Wednesday                      |                |  |            |          |           |                   |            |                       |                       |             |             |                      | 12:30 AM             |
| 8/29/13 | Thursday AM                    | Upriver        | 3:15 AM  | 3:15 AM    | 2:45 AM  | 2:15 AM   | 2:10 AM           | 2:05 AM    | 1:55 AM               | 1:55 AM               | 1:55 AM     | 1:50 AM     | 1:20 AM              | 12:30 AM             |

Schedule Assumptions
Train bridge openings are not delayed due to long train line crossings
Weather is conducive to travel

Bridge openings are executed with no long term delays requiring repairs

Tides and currents are normal
Bridges are manned and opened prior to tug/scow arrival